

PULKIT GARG

INFO

ADDRESS

1580, sector-13 U.E., Karnal,
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EMAIL

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DATE OF BIRTH

1997-01-29

NATIONALITY

Indian

LINKS

<https://linkedin.com/wittycodes>

<https://github.com/wittycodes>

Technical Skill Set

C, Python

MEAN stack

Fingerstyle Guitar

"One is not merely an enumeration of one's accomplishments and, not just about "D-day". Its the consistent relevancy of being here."

EDUCATION

Thapar Institute of Engineering & Technology

Patiala

Jun 2015 – Jun 2019

Computer Engineering - Bachelor of Technology

Brahmanand Public School

Karnal

2014

Non-medical sciences - XII grade

Delhi Public School

Karnal

2012

High school - X grade

KEY - PROJECTS

R iffBox- Automatic Tablature Transcription

Mentorship- T.I.E.T.

Dr. Ashima Singh,

Oct 2017 – Feb 2017

An attempt to implement the IEEE-Xplore paper by Daniel R. Tuohy : "*Creating Tablature and Arranging Music for Guitar with GAs and ANNs*". Approx. ~250 quantized freq notes in a typical 15 sec. audio clip and each note can be played on all the 6 strings of a guitar, in-case - automated finding of an arrangement out of 6^{250} using heuristics for human hand ease. Components: IPC, spectrogram, AlphaTex, ng-Material, socket.io, Audacity, ffmpeg etc,

KvManager-Accounting-GST-complaint-software

Jul 2016 – Dec 2016

Kvmanager is a custom business accounting & resource planning software developed for kvfireworks.com. Modules- Billing-invoice generator, Notes, Events-calender, General Ledger, Inventory and Sales Analysis Utility, Multiple Prince-lists with MSExcel Auto-fill template integrity. This application is well accordant with Indian-GST and outputs uploadable *.json formatted monthly return statements

Mullbox - Manage movies & media

Dec 2015 – Apr 2016

This application uses guesses the file name of video and poster *.bmp if exists locally. And, further queries TMDB APIs for all star-casts , summary, ratings, reviews, poster thumbnail, stores avilability, release Group and other metadata. components- buffering lazy load material cards, captions and subscript bulk-download, auto-add to context menu, nedb cache via intuitive UI components.

SayIT - Depression Detect

Mentorship- T.I.E.T..

Dr. Ashutosh Agarwal

Feb 2018 – Sep 2018

An automated device for detecting depression from acoustic features in speech. DAIC-WOZ dataset includes 189 sessions of interactions(psychologist panel to patients ~98.7 GB) ranging between 7-33min. Pre-processes Voice signal to fourier-spectrogram chromatic-images that are piped into CNN model, trained and predicted- binary score of 15 output parameters which resolves further to corresponding depressed state. acc ~ 63% train: ~7 hours @AWS-ec2 instance.